Special Issue

Modeling, Analysis and Control of Power System Distribution Networks

Message from the Guest Editors

The application of existing technologies in the power system has broad prospects for development. In addition, there remains a strong need for technological innovations (such as electric vehicles) to meet the requirements of the ever-increasing new loads as well as the high demand for power quality and power supply reliability. In the future, distribution networks will use high-speed broadband for communication between substations, utilize intelligent electronic devices for adaptive control and protection, and apply energy management systems to monitor the operation condition. Intelligent systems are also involved in the mitigation of the potential power quality issues, which consequently improves power supply reliability. Therefore, the emerging technologies and their application in the distribution network should be further studied. This Special Issue aims to inspire original research on the emerging technologies in related fields to promote the application of new techniques in distribution networks. Theoretical and/or empirical studies are welcome.

Guest Editors

Prof. Dr. Li Ding

School of Electrical Engineering and Automation, Wuhan University, Wuhan 430072, China

Dr. Zhengmin Kong

School of Electrical Engineering and Automation, Wuhan University, Wuhan 430072, Hubei, China

Deadline for manuscript submissions

closed (20 February 2023)

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/si/88533

Energies
Editorial Office
MDPI, Grosspeteranlage 5
4052 Basel, Switzerland
Tel: +41 61 683 77 34
energies@mdpi.com

mdpi.com/journal/energies

Energies

an Open Access Journal by MDPI

Impact Factor 3.2
CiteScore 7.3

mdpi.com/journal/energies

About the Journal

Message from the Editor-in-Chief

Energies is an international, open access journal in energy engineering and research. The journal publishes original papers, review articles, technical notes, and letters. Authors are encouraged to submit manuscripts which bridge the gaps between research, development and implementation. The journal provides a forum for information on research, innovation, and demonstration in the areas of energy conversion and conservation, the optimal use of energy resources, optimization of energy processes, mitigation of environmental pollutants, and sustainable energy systems.

Editor-in-Chief

Prof. Dr. Enrico Sciubba
Department of Mechanical and Industrial Engineering, University Niccolò Cusano, 00166 Roma, Italy

Author Benefits

Open Access:

free for readers, with article processing charges (APC) paid by authors or their institutions.

High Visibility:

indexed within Scopus, SCIE (Web of Science), Ei Compendex, RePEc, Inspec, CAPlus / SciFinder, and other databases.

Journal Rank:

CiteScore - Q1 (Control and Optimization)